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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/637,213	08/07/2003	Alex Alden Peterson	293/037Cont 3	4084
1473 ROPES & GRA	7590 02/21/200 XY LLP	EXAMINER		
PATENT DOC	KETING 39/361	YABUT, DIANE D		
1211 AVENUE OF THE AMERICAS NEW YORK, NY 10036-8704			ART UNIT	PAPER NUMBER
·			3734	
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			02/21/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)
	10/637,213	PETERSON ET AL.
Office Action Summary	Examiner	Art Unit
	DIANE YABUT	3734
The MAILING DATE of this communication ap Period for Reply	ppears on the cover sheet with the	correspondence address
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory perior. Failure to reply within the set or extended period for reply will, by statu. Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUNICATIO 1.136(a). In no event, however, may a reply be tind d will apply and will expire SIX (6) MONTHS from the, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).
Status		
1) ☐ Responsive to communication(s) filed on 21 2a) ☐ This action is FINAL . 2b) ☐ Th 3) ☐ Since this application is in condition for allow closed in accordance with the practice under	nis action is non-final. vance except for formal matters, pre	
Disposition of Claims		
4) Claim(s) 83-87 and 89-99 is/are pending in the day of the above claim(s) 91-99 is/are withdras 5) Claim(s) is/are allowed. 6) Claim(s) 83-87 and 89-90 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and application Papers	awn from consideration. /or election requirement.	
 9) The specification is objected to by the Examir 10) The drawing(s) filed on is/are: a) ac Applicant may not request that any objection to the Replacement drawing sheet(s) including the corre 11) The oath or declaration is objected to by the Examir 	ccepted or b) objected to by the e drawing(s) be held in abeyance. Se ection is required if the drawing(s) is ob	e 37 CFR 1.85(a). ejected to. See 37 CFR 1.121(d).
Priority under 35 U.S.C. § 119		
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority document copies of the priority document all Copies of the certified copies of the priority document application from the International Bure * See the attached detailed Office action for a list	nts have been received. nts have been received in Applicat iority documents have been receiv au (PCT Rule 17.2(a)).	ion No ed in this National Stage
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal I 6) Other:	ate

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DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 11/21/2007 has been entered. Claims 91-99 have been withdrawn from consideration.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 83-87 and 89-90 are rejected under 35 U.S.C. 103(a) as being unpatentable over **Kaster** (U.S. Patent No. **5,234,447**) in view of **Yencho** (U.S. Patent No. **6,206,913**).

<u>Claims 83 and 86</u>: Kaster discloses a connector for use in making an artificial, fluid-tight, hollow, annular connection between an end portion of a tubular graft conduit and a side wall of a tubular body conduit in a patient via an artificially created aperture in the

side wall of the tubular body conduit so that the tubular graft conduit extends from the tubular body conduit outside of the tubular body conduit and the patient's body fluid can flow between lumens of the tubular graft conduit and the tubular body conduit via the connection, the connector comprising a structure 12 which is annularly continuous and configured for disposition annularly around the outside of the tubular graft conduit, a plurality of first members 43 and a plurality of second members 44 extending from the structure in an annular array which is substantially concentric with the structure, the first and second members being resiliently biased to extend substantially radially out from the structure and being elastically deflectable substantially parallel to a central longitudinal axis of the structure, the first members being configured to pass through the side wall of the tubular graft conduit at respective locations that are spaced from one another around the side wall of the tubular graft conduit, and the first and second members being further configured to reach respective locations on the side wall of the tubular body conduit that are spaced annularly around the aperture when the connector is in use and the first and second members are extending substantially radially out from the structure (Figures 10, 14-19).

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Kaster discloses the claimed device except for the structure including nitinol and a plurality of closed shapes, each of which has an open center, and each of which is compressible and expandable in a direction that is annular of the structure, all of said shapes being connected to one another in a single row that extends annularly around the structure and so that open centers of all of said shapes are disposed in said single row.

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Yencho teaches a connector **110** for attaching a graft to a blood vessel comprising a plurality of closed shapes (either between **123**, **124**, or openings **129**), each of which has an open center, and each of which is compressible and expandable in a direction that is annular of the structure ("deformable sections"), all of said shapes being connected to one another in a single row that extends annularly around the structure and so that open centers of all of said shapes are disposed in said single row (Figures 12 and 21; col. 11, lines 25-32). It would have been obvious to one of ordinary skill in the art at the time of invention to modify Kaster by providing openings in a single row, as taught by Yencho, in order to allow for tissue ingrowth and therefore facilitate sealing and attaching a graft to a blood vessel (col. 11, lines 34-37). Yencho also teaches the use of nitinol in a graft stent (col. 9, lines 61-65). It would have been obvious to one of ordinary skill in the art at the time of invention to modify Kaster by providing nitinol as a material for the connector, as taught by Yencho, since nitinol is well known for its compatibility with the body.

<u>Claim 84</u>: Kaster discloses the first **43** and second **44** members extending from respective first and second axially spaced portions of the structure, in that the edges of **46** are axially spaced (Figure 10).

Claim 85: Kaster discloses when the first 43 and second 44 members are being deflected substantially parallel to the central longitudinal axis of the structure, they extend in respective opposite directions away from the structure (Figures 14-19).

Claim 87: Kaster discloses the first 43 and second 44 members being further configured for disposition on respective opposite sides of the side wall of the tubular

body conduit when the connector is in use and the first and second members are extending substantially radially out from the structure (Figures 14-19).

<u>Claim 89</u>: Kaster discloses the structure being configured for annular and axial flexibility (Figures 10, 14-19).

<u>Claim 90</u>: Kaster discloses the structure and the first and second members being all one piece (Figure 8).

Response to Arguments

4. Applicant's arguments with respect to claims 83-90 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to DIANE YABUT whose telephone number is (571)272-6831. The examiner can normally be reached on M-F: 9AM-4PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Todd Manahan can be reached on (571) 272-4713. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Diane Yabut/ Examiner, Art Unit 3734 /Todd E Manahan/ Supervisory Patent Examiner, Art Unit 3731